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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.: AUS920010709US1

In re Application of:

JAMES C. COLSON, ET AL.

Serial No.: 10/042,047

Filed: 08 JANUARY 2002

For: **ALLOWING A USER TO
DETERMINE WHETHER TO
VIEW WEB CONTENT BASED
ON COST**

=====

Examiner: HANNE, SARA M.

Art Unit: 2179

APPEAL BRIEF UNDER 37 C.F.R. § 1.192

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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Appeal Brief is submitted in support of the Appeal of the Examiner's final rejection of Claims 1-42 in the above-identified application. A Notice of Appeal was filed in this case on October 19, 2005 and received in the United States Patent and Trademark Office on October 19, 2005. Please charge the fee of \$500.00 due under 37 C.F.R. §1.17(c) for filing the brief, as well as any additional required fees, to **IBM Deposit Account No. 09-0447**.

DECLARATION OF RECEIPT OF FACSIMILE TRANSMISSION

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DECLARATION: I hereby certify that this correspondence is being transmitted by facsimile on the above date to the United States Patent and Trademark Office addressed to D. Manning, Suite M, Haines, Crosby and Co., 2179 at 571-274-8300.

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Signature of James B. Boyce

REAL PARTY IN INTEREST

The real party in interest in the present Application is International Business Machines Corporation, the Assignee of the present application as evidenced by the Assignment set forth at reel 012493, frame 0984 *et seq.*

RELATED APPEALS AND INTERFERENCES

There are no other appeals or interferences known to Appellants, the Appellants' legal representative, or assignee, which directly affect or would be directly affected by or have a bearing on the Board's decision in the pending appeal.

STATUS OF CLAIMS

Claims 1-42 were originally presented. Claims 1-24, 27-32 and 35-40 were amended in Appellants' Amendment A filed on October 19, 2004, in response to a first non-final office action of August 12, 2004. Claims 1-3, 5-9, 11-15, 17-23, 25-31, 33-39 and 41-42 were amended in Appellants' Amendment B filed on June 10, 2005, in response to a second non-final office action of March 10, 2005. Claims 1-42 stand finally rejected by the Examiner as noted in the Final Office Action dated August 24, 2005. The rejections of Claims 1-42 are appealed.

STATUS OF AMENDMENTS

No Amendments have been submitted responsive to the Final Office Action dated August 24, 2005.

SUMMARY OF THE CLAIMED SUBJECT MATTER

As recited in Independent Claim 1, the present invention is a method for receiving on a user device a web page content from a network content server (*abstract*). The method comprises requesting, from a user device and via a billing server, a single web page's content from a network content server (*as supported, inter alia, on page 7, lines 1-2*); displaying on the user device multiple options from the billing server to a single user of the user device to view the single web page's content for a price, wherein each option has a different price (*page 7, line 3*); selecting, by the single user, at the user device at least one of the options (*page 8, line 6*);

receiving at the user device a requested content from the single web page according to the selected option, wherein the requested content is less than all of the single web page (*page 8, lines 3-4*); and displaying on the user device the requested content from the single web page (*page 6, lines 19-20*).

Similarly, as recited in Independent Claim 7, a claimed system comprises means for requesting, from a user device and via a billing server, a single web page's content from a network content server (*as supported, inter alia, by Figure 1, element 10; page 7, lines 1-2*); means for displaying on the user device multiple options from the billing server to a single user of the user device to view the single web page's content for a price, wherein each option has a different price (*as supported, inter alia, by Figure 4, element 32; page 7, line 3*); means for selecting, by the single user, at the user device at least one of the options (*as supported, inter alia, by Figure 4, element 32; page 8, line 6*); means for receiving at the user device a requested content from the single web page according to the selected option, wherein the requested content is less than all of the single web page (*as supported, inter alia, by Figure 4, element 32; page 8, lines 3-4*); and means for displaying on the user device the requested content from the single web page (*as supported, inter alia, by Figure 4, element 32; page 6, lines 19-20*).

Similarly, as recited in Independent Claim 13, a claimed computer program product on a tangible computer-readable medium comprises computer program code for requesting, from a user device and via a billing server, a single web page's content from a network content server (*page 4, line 3; page 7, lines 1-2*); computer program code for displaying on the user device multiple options from the billing server to a single user of the user device to view the single web page's content for a price, wherein each option has a different price (*page 4, line 3; page 7, line 3*); computer program code for selecting, by the single user, at the user device at least one of the options (*page 4, line 3; page 8, line 6*); computer program code for receiving at the user device a requested content from the single web page according to the selected option, wherein the requested content is less than all of the single web page (*page 4, line 3; page 8, lines 3-4*); and computer program code for displaying on the user device the requested content from the single web page (*page 4, line 3; page 6, lines 19-20*).

As claimed in Independent Claim 19, a method for transmitting web page content from a network content server to a user device (*abstract*) comprises receiving at a billing server a request from a user device for a web page content from a network content server (*page 7, lines 1-2*); sending to the user device from the billing server a display of multiple options for a single user to view the web page content for a price, wherein each option has a different price (*page 7, lines 2-3*); receiving, from a single user who is using the user device, at least one selection from the multiple options (*page 8, line 27*); and sending at least a portion of the web page content to the user device, wherein the sent portion of the web page content is dependent on which option was selected by the user device (*page 6, lines 19-20*).

As claimed in Independent Claim 27, a system for transmitting web page content from a network content server to a user device (*abstract*) comprises means for receiving at a billing server a request from a user device for a web page content from a network content server (*as supported, inter alia, by Figure 1, element 16; page 7, lines 1-2*); means for sending to a single user of the user device from the billing server a display of multiple options for viewing the web page content for a price, wherein each option has a different price (*as supported, inter alia, by Figure 1, element 16; page 7, line 3*); means for receiving from the user device at least one selection from the multiple options chosen by the single user (*as supported, inter alia, by Figure 1, element 16; page 8, line 27*); and means for sending at least a portion of the web page content to the user device, wherein the sent portion of the web page content is dependent on which option was selected by the user device (*as supported, inter alia, by Figure 1, element 16; page 6, lines 19-20*).

As claimed in Independent Claim 35, a computer program product on a tangible computer-readable medium comprises computer program code for receiving at a billing server a request from a user device for a web page content from a network content server (*page 4, line 3; page 7, lines 1-2*); computer program code for sending to a single user of the user device from the billing server a display of multiple options for viewing the web page content for a price, wherein each option has a different price (*page 4, line 3; page 7, line 3*); computer program code

for receiving from the single user of the user device at least one selection from the multiple options (*page 4, line 3; page 8, line 27*); and computer program code for sending at least a portion of the web page content to the user device, wherein the sent portion of the web page content is dependent on which option was selected by the user device (*page 4, line 3; page 6, lines 19-20*).

As claimed in Dependent Claims 3, 9 and 15, the prices of the options are based on an age of the at least a portion of the single web page content (*as supported, inter alia, on page 8, lines 11-20 of the present specification*).

Similarly, as claimed in Dependent Claims 21, 29 and 37, the prices of the options are based on an age of the at least a portion of the single web page content (*as supported, inter alia, on page 8, lines 11-20 of the present specification*).

As claimed in Dependent Claim 22, the multiple offers are defined by a non-URL descriptive portion of a script header to the web page content (*as supported, inter alia, on page 7, lines 4-5 of the present specification*).

As claimed in Dependent Claims 6, 12 and 18, an agreement to pay a fee causes the display of only a non-text image from the single web page (*as supported, inter alia, on page 8, lines 5-7 of the present specification*).

GROUND OF REJECTION TO BE REVIEWED ON APPEAL

I. The Examiner's rejection of Claims 1-2, 4-5, 7-8, 10-11, 13-14 and 16-17 under 35 U.S.C. §102(e) as being anticipated by *Shamoon et al.* (U.S. Patent Application Publication 2004/0107356 – "*Shamoon*") is to be reviewed on Appeal.

II. The Examiner's rejection of Claims 19-20, 25-28 and 35-36 under 35 U.S.C. §102(e) as being anticipated by *Shamoon et al.* (U.S. Patent Application Publication 2004/0107356 – "*Shamoon*") is to be reviewed on Appeal.

III. The Examiner's rejection of Claims 3, 9 and 15 under 35 U.S.C. §102(e) as being anticipated by *Shamoon et al.* (U.S. Patent Application Publication 2004/0107356 – "*Shamoon*") is to be reviewed on Appeal.

IV. The Examiner's rejection of Claims 21, 29 and 37 under 35 U.S.C. §102(e) as being anticipated by *Shamoon et al.* (U.S. Patent Application Publication 2004/0107356 – "*Shamoon*") is to be reviewed on Appeal.

V. The Examiner's rejection of Claim 22 under 35 U.S.C. §102(e) as being anticipated by *Shamoon et al.* (U.S. Patent Application Publication 2004/0107356 – "*Shamoon*") is to be reviewed on Appeal.

VI. The Examiner's rejection of Claims 6, 12 and 18 under 35 U.S.C. §103(a) as being unpatentable over *Shamoon et al.* (U.S. Patent Application Publication 2004/0107356 – "*Shamoon*") in further view of *Nicolas et al.* (U.S. Patent No. 6,593,944 – "*Nicolas*") is to be reviewed on Appeal.

VII. The Examiner's rejection of Claims 4-5, 24, 32-34 and 40 under 35 U.S.C. §103(a) as being unpatentable over *Shamoon et al.* (U.S. Patent Application Publication 2004/0107356 –

"*Shamoon*") in further view of *Nicolas et al.* (U.S. Patent No. 6,593,944 – "*Nicolas*") is to be reviewed on Appeal.

VIII. The Examiner's rejection of Claims 23, 31 and 39 under 35 U.S.C. §103(a) as being unpatentable over *Shamoon et al.* (U.S. Patent Application Publication 2004/0107356 – "*Shamoon*") in further view of *Mitchell*. (U.S. Patent No. 6,701,350 – "*Mitchell*") is to be reviewed on Appeal.

IX. The Examiner's rejection of Claims 30, 38 and 41-42 under 35 U.S.C. §102(e) as being anticipated by *Shamoon et al.* (U.S. Patent Application Publication 2004/0107356 – "*Shamoon*") is to be reviewed on Appeal.

X. The Examiner's rejection of Claims 6, 12 and 18 under 35 U.S.C. 112, first paragraph, is to be reviewed on Appeal.

ARGUMENT

I. The Examiner's rejection of Claims 1-2, 4-5, 7-8, 10-11, 13-14 and 16-17 under 35 U.S.C. §102(e) as being anticipated by *Shamoon et al.* (U.S. Patent Application Publication 2004/0107356 – “*Shamoon*”)

Shamoon does not teach all of the claim limitations found in Claims 1, 7 and 13, which should thus be allowed.

Shamoon teaches a system for paying a different price for streaming content (MPEG, MP3, etc.) according to different features of the content. Such different features include whether an MPEG-4 file includes advertisement (paragraph [0475]), or the fidelity level of an MP3 file (paragraph [0358]). While such content may be either streamed or sent as a static data structure (paragraph [0331]), there is no teaching, expressly or implicitly, of displaying a “single web page” in accordance with the option(s) selected by a requester as claimed in exemplary Claim 1 (*emphasis added*). To consider a movie MPEG file or an audio MP3 file to be equivalent to a “single web page” exceeds the bounds of established case law regarding claims interpretation and equivalent elements (*see e.g., Warner-Jenkinson Co. v. Hilton Davis Chem. Co., 117 S. Ct. 1040, 41 USPQ 2d 1865 (1997)*).

II. The Examiner's rejection of Claims 19-20, 25-28 and 35-36 under 35 U.S.C. §102(e) as being anticipated by *Shamoon et al.* (U.S. Patent Application Publication 2004/0107356 – “*Shamoon*”)

Shamoon does not teach all of the claim limitations found in Claims 19, 27 and 35, which should thus be allowed.

As discussed above with regards to Claims 1, 7 and 13, *Shamoon* teaches a system for paying a different price for streaming content (MPEG, MP3, etc.) according to different features of the content. Such different features include whether an MPEG-4 file includes advertisement (paragraph [0475]), or the fidelity level of an MP3 file (paragraph [0358]). While such content

may be either streamed or received as a static data structure (paragraph [0331]), there is no teaching, expressly or implicitly, of sending a "single web page" in accordance with the option(s) selected by a requester.

III. The Examiner's rejection of Claims 3, 9 and 15 under 35 U.S.C. §102(e) as being anticipated by *Shamoon et al.* (U.S. Patent Application Publication 2004/0107356 – "*Shamoon*")

Shamoon does not teach all of the claim limitations found in Claims 3, 9 and 15, which should thus be allowed.

Shamoon is cited by the Examiner at paragraph [0287] for teaching the limitation of pricing options based on an "age" of the web page content. The cited passage of *Shamoon* teaches that a user may be charged more for watching more streamed programming. Specifically, "based on a pre-payment, the user has the right to watch 12 hours of programming" (*Shamoon*, paragraph [0287]). There is no teaching, expressly or implicitly, of adjusting a fee according to an "age" of the content. That is, *Shamoon* adjusts a charge according to how much content is presented ("12 hours of programming") while exemplary Claim 3 adjusts a charge according to the staleness ("age") of a single piece of content.

IV. The Examiner's rejection of Claims 21, 29 and 37 under 35 U.S.C. §102(e) as being anticipated by *Shamoon et al.* (U.S. Patent Application Publication 2004/0107356 – "*Shamoon*")

Shamoon does not teach all of the claim limitations found in Claims 21, 29 and 37, which should thus be allowed.

As discussed in reference to Claims 3, 9, and 15, *Shamoon* is cited by the Examiner at paragraph [0287] for teaching the limitation of pricing options based on an "age" of the web page content. The cited passage of *Shamoon* teaches that a user may be charged more for watching more streamed programming. Specifically, "based on a pre-payment, the user has the

right to watch 12 hours of programming" (*Shamoon*, paragraph [0287]). There is no teaching, expressly or implicitly, of adjusting a fee according to an "age" of the content.

V. The Examiner's rejection of Claim 22 under 35 U.S.C. §102(e) as being anticipated by *Shamoon et al.* (U.S. Patent Application Publication 2004/0107356 – "*Shamoon*")

Shamoon does not teach all of the claim limitations found in Claim 22, which should thus be allowed.

Shamoon is cited by the Examiner at paragraph [0454] *et seq.* and Figures 2 and 7, for teaching the feature that "the multiple offers are defined by a non-URL descriptive portion of a script header to the web page content." Figures 2 and 7 relate to control messages for delivery of streamed content (see, e.g., paragraph [0101]). For example, a Rule 710 may specify that a user who agrees to pay a certain amount may view a stream 49, but non-paying users may not (*Shamoon*, paragraph [0102]). There is no teaching or suggestion of sending offers to view the content in the non-URL header, as claimed in Claim 22. Furthermore, it is noted that paragraph [0454] appears to teach away from the use of "a non-URL descriptive portion of a script header," since the cited paragraph teaches the use of a URL message that "references another CMP message...in keeping with the standard of using URLs to point to streams."

VI. The Examiner's rejection of Claims 6, 12 and 18 under 35 U.S.C. §103(a) as being unpatentable over *Shamoon et al.* (U.S. Patent Application Publication 2004/0107356 – "*Shamoon*") in further view of *Nicolas et al.* (U.S. Patent No. 6,593,944 – "*Nicolas*")

Shamoon and *Nicolas* do not teach or suggest all of the features of Claims 6, 12 and 18, which should thus be allowed.

Shamoon is cited for teaching "an agreement to pay a fee causes the display of only a non-text image from the single web page." Specifically, citing paragraph [0349] *et seq.* of *Shamoon*, the Examiner states that a "multimedia stream is an image." Even if a multimedia

stream were to be (erroneously) considered to be “an image,” the “multimedia image” is not “from a single web page.”

VII. The Examiner’s rejection of Claims 4-5, 24, 32-34 and 40 under 35 U.S.C. §103(a) as being unpatentable over *Shamoon et al.* (U.S. Patent Application Publication 2004/0107356 – “*Shamoon*”) in further view of *Nicolas et al.* (U.S. Patent No. 6,593,944 – “*Nicolas*”)

Claims 4-5, 24, 32-34 and 40 respectively depend on independent Claims 1, 19, 27 and 35, which should be allowed. Thus, Claims 4-5, 24, 32-34 and 40 should likewise be allowed.

VIII. The Examiner’s rejection of Claims 23, 31 and 39 under 35 U.S.C. §103(a) as being unpatentable over *Shamoon et al.* (U.S. Patent Application Publication 2004/0107356 – “*Shamoon*”) in further view of *Mitchell*. (U.S. Patent No. 6,701,350 – “*Mitchell*”)

Claims 23, 31 and 39 respectively depend on independent Claims 19, 27 and 35, which should be allowed. Thus, Claims 23, 31 and 39 should likewise be allowed.

IX. The Examiner’s rejection of Claims 30, 38 and 41-42 under 35 U.S.C. §102(e) as being anticipated by *Shamoon et al.* (U.S. Patent Application Publication 2004/0107356 – “*Shamoon*”)

Claims 30 and (38, 41-42) respectively depend on independent Claims 27 and 35, which should be allowed. Thus, Claims 30, 38 and 41-42 should likewise be allowed.

X. The Examiner’s rejection of Claims 6, 12 and 18 under 35 U.S.C. 112, first paragraph

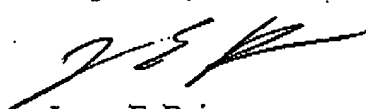
In paragraph 3 of the final Office Action of August 24, 2005, the Examiner rejects Claims 6, 12 and 18 for the use of the phrase “only a non-text image.” Appellants respond that this feature is clearly supported in the present specification on Page 8, lines 5-9. Specifically, on Page 8, lines 5-6, the specification states that the user “may wish to view only an image from a web page.” Appellants submit that “image” is a “non-text image,” since an image is defined as

“an imitation or representation of a person or thing, drawn, painted, photographed, etc.” (See attachment from *Webster's New World College Dictionary, Fourth Edition*.)

CONCLUSION

As the prior art cited does not teach or suggest all of the features of the presently claimed invention, Applicants respectfully request that one or more of the rejections of Claims 1-42 be reversed, and that such claims be allowed as appropriate.

Respectfully submitted,



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CLAIMS APPENDIX

1. A method for receiving on a user device a web page content from a network content server, said method comprising:

requesting, from a user device and via a billing server, a single web page's content from a network content server;

displaying on the user device multiple options from the billing server to a single user of the user device to view the single web page's content for a price, wherein each option has a different price;

selecting, by the single user, at the user device at least one of the options;

receiving at the user device a requested content from the single web page according to the selected option, wherein the requested content is less than all of the single web page; and

displaying on the user device the requested content from the single web page.

2. The method of claim 1, wherein the prices of the options are based on a removal of advertisement from the single web page content.

3. The method of claim 1, wherein the prices of the options are based on an age of the at least a portion of the single web page content.

4. The method of claim 1, wherein the requested content is displayed on a Personal Digital Assistant (PDA) having a limited sized display.

5. The method of claim 4, wherein the prices of the options are based on what percentage of the single web page is displayed on the user device, and wherein a choice of what percentage of the single page is displayed is dependent on the size of the PDA's limited sized display.

6. The method of claim 5, wherein an agreement to pay a fee causes the display of only a non-text image from the single web page.

7. A system for receiving on a user device a web page content from a network content server, said system comprising:

means for requesting, from a user device and via a billing server, a single web page's content from a network content server;

means for displaying on the user device multiple options from the billing server to a single user of the user device to view the single web page's content for a price, wherein each option has a different price;

means for selecting, by the single user, at the user device at least one of the options;

means for receiving at the user device a requested content from the single web page according to the selected option, wherein the requested content is less than all of the single web page; and

means for displaying on the user device the requested content from the single web page.

8. The system of claim 7, wherein the prices of the options are based on a removal of advertisement from the web page content.

9. The system of claim 7, wherein the prices of the options are based on an age of the at least a portion of the web page content.

10. The system of claim 7, wherein the requested content is displayed on a Personal Digital Assistant (PDA) having a limited sized display.

11. The system of claim 7, wherein the prices of the options are based on what percentage of a single web page is displayed on the user device.

12. The system of claim 11, wherein an agreement to pay a fee causes the display of only a non-text image from the single web page.

13. A computer program product, executed on a tangible computer-readable medium, for receiving on a user device a web page content from a network content server, said computer program product comprising:

computer program code for requesting, from a user device and via a billing server, a single web page's content from a network content server;

computer program code for displaying on the user device multiple options from the billing server to a single user of the user device to view the single web page's content for a price, wherein each option has a different price;

computer program code for selecting, by the single user, at the user device at least one of the options;

computer program code for receiving at the user device a requested content from the single web page according to the selected option, wherein the requested content is less than all of the single web page; and

computer program code for displaying on the user device the requested content from the single web page.

14. The computer program product of claim 13, wherein the prices of the options are based on a removal of advertisement from the web page content.

15. The computer program product of claim 13, wherein the prices of the options are based on an age of the at least a portion of the web page content.

16. The computer program product of claim 13, wherein the requested content is displayed on a Personal Digital Assistant (PDA) having a limited sized display.

17. The computer program product of claim 13, wherein the prices of the options are based on what percentage of a single web page is displayed on the user device.

18. The computer program product of claim 17, wherein an agreement to pay a fee causes the display of only a non-text image from the single web page.

19. A method for transmitting web page content from a network content server to a user device, said method comprising:

receiving at a billing server a request from a user device for a web page content from a network content server;

sending to the user device from the billing server a display of multiple options for a single user to view the web page content for a price, wherein each option has a different price;

receiving, from a single user who is using the user device, at least one selection from the multiple options; and

sending at least a portion of the web page content to the user device, wherein the sent portion of the web page content is dependent on which option was selected by the user device.

20. The method of claim 19, wherein the prices of the options are based on a removal of advertisement from the web page content.

21. The method of claim 19, wherein the prices of the options are based on an age of the at least a portion of the web page content.

22. The method of claim 19, wherein the multiple offers are defined by a non-URL descriptive portion of a script header to the web page content.

23. The method of claim 22, wherein the script header contains eXtensible Markup Language (XML) script, and wherein the method further comprises using the XML script from the script header to generate at the user device a display of the multiple offers.

24. The method of claim 19, wherein the sent portion of the web page content is formatted to be displayed on a Personal Digital Assistant (PDA) that has a limited sized display.

25. The method of claim 19, wherein the network content server is on an Internet.

26. The method of claim 19, wherein the billing server and the network content server are a same device.

27. A system for transmitting web page content from a network content server to a user device, said method comprising:

means for receiving at a billing server a request from a user device for a web page content from a network content server;

means for sending to a single user of the user device from the billing server a display of multiple options for viewing the web page content for a price, wherein each option has a different price;

means for receiving from the user device at least one selection from the multiple options chosen by the single user; and

means for sending at least a portion of the web page content to the user device, wherein the sent portion of the web page content is dependent on which option was selected by the user device.

28. The system of claim 27, wherein the prices of the options are based on a removal of advertisement from the web page content.

29. The system of claim 27, wherein the prices of the options are based on an age of the at least a portion of the web page content.

30. The system of claim 27, wherein the multiple offers are defined by a script header to the web page content.

31. The system of claim 30, wherein the script header contains eXtensible Markup Language (XML) script, and wherein the method further comprises parsing the XML script from the script header to generate at the user device a display of the multiple offers.

32. The system of claim 27, wherein the sent portion of the web page content is formatted to be displayed on a Personal Digital Assistant (PDA) that has a limited sized display.
33. The system of claim 27, wherein the network content server is on an Internet.
34. The system of claim 27, wherein the billing server and the network content server are a same device.
35. A computer program product, executed on a tangible computer-readable medium, for transmitting web page content from a network content server to a user device, said computer program product comprising:
- computer program code for receiving at a billing server a request from a user device for a web page content from a network content server;
 - computer program code for sending to a single user of the user device from the billing server a display of multiple options for viewing the web page content for a price, wherein each option has a different price;
 - computer program code for receiving from the single user of the user device at least one selection from the multiple options; and
 - computer program code for sending at least a portion of the web page content to the user device, wherein the sent portion of the web page content is dependent on which option was selected by the user device.
36. The computer program product of claim 35, wherein the prices of the options are based on a removal of advertisement from the web page content.
37. The computer program product of claim 35, wherein the prices of the options are based on an age of the at least a portion of the web page content.
38. The computer program product of claim 35, wherein the multiple offers are defined by a script header to the web page content.

39. The computer program product of claim 38, wherein the script header contains eXtensible Markup Language (XML) script, and wherein the method further comprises parsing the XML script from the script header to generate at the user device a display of the multiple offers.

40. The computer program product of claim 35, wherein the sent portion of the web page content is formatted to be displayed on a Personal Digital Assistant (PDA) that has a limited sized display.

41. The computer program product of claim 35, wherein the network content server is on an Internet.

42. The computer program product of claim 35, wherein the billing server and the network content server are a same device.

EVIDENCE APPENDIX

1. Excerpt from *Webster's New World College Dictionary, Fourth Edition*, with definition of term "image."

illuviate / imitate

712

illuviate (i-lu-vi-ate) *vt.* -ated, -ating to be subjected to illuviation

illuviation (i-lu-vi-ation) *n.* [see fol. & -ATION] the accumulation in an underlying soil layer of materials, as colloids or soluble salts, that have been leached out of an upper layer

illuvium (i-lu-vi-um) *n.* *pl.* -vi-ums or -via (-s) [ModL < IL- + (ALLUVIUM) soil materials which have been leached from an upper layer of soil and deposited in a lower layer

ill will unfriendly feeling; hostility; hate; dislike

ill-wisher (il-'wi-sher) *n.* a person who wishes evil or misfortune to another

illy (il'le) *adv.* (Now Dial.) badly; ill

Illyria (i-lir'ya) ancient region along the E coast of the Adriatic; see GREECE, map —**Illyric** (-lir'ik) *adj.*

Illyrian (i-lir'yan) *adj.* of Illyria or its people, language, or culture —*n.* 1 a person born or living in Illyria 2 the extinct language or languages of the Illyrians, generally regarded as a distinct branch of the Indo-European family

Illyri-cum (-i-kum) Roman provinces including Illyria; later, Roman prefecture including much of the Balkan Peninsula & some of the area north of the Adriatic

Ilmenite (il'men-it) *n.* [Ger *Ilmenit*, after the *Ilmen* Mts. in the southern Ural + -it, -ite] a hard, dark brown or black, rhombohedral mineral, FeTiO₃, an oxide of iron and titanium

ILO abbrev. International Labor Organization

Ilo-cano (i-lo-'ka-no) *n.* 1 *pl.* -nos or -no a member of a people of N Luzon 2 the Austronesian language of this people

Ilo-ilo (i-lo-'lo) seaport on S Panay, in the Philippines: pop. 335,000

ILS abbrev. instrument landing system

im- *prefix* 1 *im-* [imbibe] 2 *im-* [immaterial] Used before *b*, *m*, or *p*

im (im) contraction 1 *am*

im-age (im'ij) *n.* [OFr < *imagene* < L *imagine*, acc. of *imago*, imitation, copy, image, akin to *asimulus*; see EMULATE] 1 *a*) an imitation or representation of a person or thing, drawn, painted, photographed, etc.; esp., a statue *b*) a sculptured figure used as an idol 2 the visual impression of something produced by reflection from a mirror, refraction through a lens, etc. 3 a person or thing very much like another; copy; counterpart, likeness 4 *a*) a mental picture of something; conception; idea; impression 5 *b*) the concept of a person, product, institution, etc. held by the general public, often one deliberately created or modified by publicity, advertising, propaganda, etc. 5 *a*) type; typical example; symbol; embodiment (the very image of laziness) 6 a vivid representation; graphic description (a drama that is the image of life) 7 a figure of speech; esp., a metaphor or simile 8 *Psychoanalysis* a picture or likeness of a person, as of a parent, usually idealized, constructed in the unconscious and remaining there; *imago* —*vt.* -aged, -aging [*c* the *n.*; also < Fr *imagier* < the *n.*] 1 to make a representation or imitation of; portray, delineate, etc. 2 to reflect; mirror 3 to picture in the mind; imagine 4 to be a symbol or type of 5 to describe graphically, vividly, or with figures of speech —**im'-ager** *n.*

image-maker (im'ij-mak'er) *n.* HANDLER (sense *c*)

image orthicon *Electronics* a television camera tube of high sensitivity that combines an image converter, an orthicon, and an electron-multiplying amplifier

imagery (im'ij-ri, -er) *n.* *pl.* -ries [ME *imagerie* < OFr] 1 (Now Rare) images generally; esp., statues 2 mental images, as produced by memory or imagination 3 descriptions and figures of speech

imaginable (i-maj'i-ne-bel) *adj.* [ME *ymaginable* < LL *imaginabilis*] that can be imagined —**imag'i-nably** *adv.*

imaginal (i-maj'i-nel) *adj.* of or having to do with the imagination or mental images

imaginal (i-maj'i-nel) *adj.* *Bool.* of, or pertaining to, an IMAGO (sense 1)

imaginary (i-maj'i-nar-i) *adj.* [L *imaginarius*] 1 existing only in the imagination; fanciful, unreal 2 *Math.* designating or of the square root of a negative quantity, or of a complex number that is not real —**imag'i-nar-i-ly** *adv.* —**imag'i-nar-i-ness** *n.*

imaginary number a complex number in the form *a* + *bi* where *b* is not zero; when *a* is zero, it is a pure imaginary number

imaginary part the coefficient of the square root of negative one in a complex number as 5 in (3 + 5i); formerly, this coefficient multiplied by *i* was considered the imaginary part

imaginary unit the square root of negative one; $\sqrt{-1}$: abbrev. *i*

imagination (i-maj'i-na-shan) *n.* [ME *ymaginacioun* < OFr *imagination* < L *imaginari* < *pp.* of *imaginari*: see IMAGINE] 1 *a*) the act or power of forming mental images of what is not actually present *b*) the act or power of creating mental images of what has never been actually experienced, or of creating new images or ideas by combining previous experiences; creative power 2 anything imagined; mental image; creation of the mind; fancy 3 a foolish notion; empty fancy 4 the ability to understand and appreciate imaginative creations of others, esp. works of art and literature 5 resourcefulness in dealing with new or unusual experiences 6 [Obs.] an evil plan or scheme

imaginative (i-maj'i-ne-tiv, -ativ) *adj.* [ME *imaginatif* < OFr < ML *imaginativus*] 1 having, using, or showing imagination; having great creative powers 2 given to imagining 3 of or resulting from imagination [*imaginative literature*] —**imag'i-na-tive-ly** *adv.* —**imag'i-na-tive-ness** *n.*

imagine (i-maj'in) *vt.* -ined, -ining [ME *imagine* < OFr *imaginer* < L *imaginari* < *imago*, a likeness, IMAGE] 1 to make a mental image of; form an idea or notion of; conceive in the mind; create by the imagination 2 to suppose; guess; think —*vi.* 1 to use the imagination 2 to suppose; guess; think

im-ag-ing (im'ij-ing) *n.* the act or process of recording or producing an image, esp. by such means as radar, ultrasound, CT scan, etc. as for scientific research or medical diagnosis

im-ag-ism (im'ij-i-zm) *n.* [after *Des Imagistes*, title of the first anthology of imagist poetry (1913)] a movement in modern poetry (c. 1909-17), characterized by the use of precise, concrete images, free verse, and suggestion rather than complete statement —**im'-agist** *n.*, *adj.* —**im'-ag-is-tic** *adj.*

imago (i-ma'go, -ma'g) *n.*, *pl.* -goes, -gos, or *imagines* (i-maj'i-nez) [ModL, special use (by LINNAEUS) of L, an IMAGE, likeness] 1 an insect in its final, adult, reproductive stage, generally having wings 2 *Psychoanalysis* IMAGE

imam (i-mam') *n.* [Ar *imam*, a guide, leader < *amma*, to walk before, precede] 1 the leader of prayer in a Muslim mosque 2 [often *pl.*] any of various Muslim leaders and rulers: often used as a title

imam-ate (-at) *n.* [see -ATE] 1 the territory ruled by an imam 2 the office or function of an imam

imaret (i-ma'ret) *n.* [Turk *imaret* < Ar *imarah*, building] in Turkey, an inn or hospice

im-bal-ance (im-bal-'ans) *n.* lack of balance, as in proportion, force, functioning, etc.

im-be-cile (im-be-sil, -sil, Brit, -sai, -sai) *n.* [Fr *imbécile* < L *imbecillus*, feeble, weak, prob. < *in-*, without + *baculus*, staff (see BACULUS); hence "without support"] 1 [Obs.] a retarded person mentally equal to a child between three and eight years old: see MENTAL RETARDATION 2 a very foolish or stupid person —*adj.* very foolish or stupid: also **im'becil'-ic** (-sai'ik)

im-be-cil-ity (im-be-sil-i-ty) *n.*, *pl.* -ties [Fr *imbécillité* < L *imbecillitas*] 1 the state of being an imbecile 2 behavior like that of an imbecile; great foolishness or stupidity 3 an imbecile act or remark

im-bed (im-bed') *vt.* var. of EMBED

im-bibe (im-bib') *vt.* -bided, -bib'ing [ME *enbiben* < L *imbibere* < *in-*, in + *bibere*, to drink < **bibere* < IE **b^hu-*, "to drink" > Sans *pāt*, (he) drinks, L *potare*] 1 *a*) to drink (esp. alcoholic liquor) *b*) to take in with the senses; drink in 2 *a*) to absorb (moisture) *b*) to inhale 3 to take in with the senses or mind; drink in —*vi.* to drink, esp. alcoholic liquor —**im-biber** *n.*

im-bi-bi-tion (im-bi-bi-shan) *n.* [LME: see prep. & -ITION] the absorption or adsorption of water by certain colloids, as in seeds, with resultant swelling of the tissues

im-bit-ter (im-bit'er) *vt.* var. of BATTER

im-bri-cate (im-bri-'kit; also, and for *u*, always, -kät) *adj.* [LL *imbricatus*, *pp.* of L *imbricare*, to cover with gutter tiles < *imbrax*, gutter tile < *imber*, rain < IE base **b^hu-*, var. of **b^heu-*, moist, water > Gr *nephos*, cloud, Ger *nebel*, fog] 1 overlapping evenly, as tiles or fish scales do 2 ornamented with overlapping scales or a pattern like this —*vt.* -cated, -cat'ing to place (tiles, shingles, etc.) in overlapping order —*vi.* to overlap —**im'bri-cate-ly** *adv.*

im-bri-ca-tion (im-bri-'ka-shan) *n.* [see prec.] 1 an overlapping, as of tiles or scales 2 an ornamental pattern like this

im-bro-glio (im-bro-'gljo) *n.*, *pl.* -glios [It < *imbrogliare*, to embroil < *or* < *alea* < ME *embrouiller*; see PRE- & BROIL] 1 [Rare] a confused heap 2 an involved and confusing situation; state of confusion and complication 3 a confused misunderstanding or disagreement

im-brue (im-broo') *vt.* -brued, -brui'ing [ME *enbrueen* < OFr *embrueuer*, to moisten < VL **imbiberare*, for L *imbibere*; see IMBIBE] to wet, soak, or stain, esp. with blood

im-brute (im-broo') *vt.* -bruted, -brut'ing [M- & BRUTE] to make or become brutal

im-bue (im-byoo') *vt.* -bued, -bu'ing [L *imbuer*, to wet, soak] 1 [Rare] to fill with moisture, saturate 2 to fill with color; dye; tinge 3 to permeate or inspire (with principles, ideas, emotions, etc.)

IMF abbrev. International Monetary Fund

imid-az-ole (im'id-az-'ol, -ol) *n.* [fol. & AZOLE] a colorless, heterocyclic, crystalline base, C₄H₆N₂

im-ide (im'id-, -id) *n.* [arbitrary alteration of AMIDE] an organic compound having the divalent radical NH combined with two acid radicals

imido- (i-mi'do-, -de; im'i dō-, -da) [*c* AMIDE] combining form of or containing the divalent radical NH combined with two acid radicals; also, before a vowel, *imido-*

imine (i-man'; im'an-, -in) *n.* [arbitrary alteration of AMINE] a compound containing the divalent radical NH united to alkyl or other nonacid radicals

imino- (i-mi'no-, -no; im'i nō-, -no) [*c* IMINE] combining form of or containing the divalent radical NH united to alkyl or other nonacid radicals; also, before a vowel, *imino-*

imipra-mine (i-mi'pra-men') *n.* [IM(DZ) + PR(OPYL) + AMIDE] a white, crystalline powder, C₁₅H₁₈N₄, used as an antidepressant

imit. abbrev. 1 imitation 2 imitative

im-i-tate (im'i-tat') *vt.* -tated, -tat'ing [*c* L *imitatus*, *pp.* of *imitari*, to imitate, akin to *asimulus*; see EMULATE] 1 to seek to follow the example of; take as one's model or pattern 2 to act the same as; impersonate; mimic 3 to reproduce in form, color, etc.; make a duplicate or copy of 4 to be or become like in appearance;

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RELATED PROCEEDINGS APPENDIX

None.

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